



Rev: 3

Declaration of Performance – No. 0120 Feb 20

1. **Unique identification code of the product type:**
Construction Product – Insulating Glass Units
2. **Product Type:**
4mm Clear /20mm Warm Edge/4mm Ecopane, 90% Argon filled. Weight: 20kg/m²
3. **Intended use:**
The main intended use of the insulating glass unit/s are installations in curtain walling, doors, partitions, roofs and windows
4. **Manufacturer:**
Glass Systems Limited
5. **In case of Declaration of Performance concerning a construction product covered by a harmonised standard:**
Glass in building – Insulating glass units BS EN 1279-5: 2005
BSI Assurance UK Limited, issue no. 067
6. **Declared performance:**

Visible Light			Ultraviolet	Solar Energy						Thermal Properties	
Transmittance	Reflectance		Trans UV (τ_{UV} %)	Transmittance	Reflectance		Absorptance	Solar Factor (g%)	Shading Coefficient (sc)	Secondary Heat Transfer (q)	U-Value
Visible (τ_v %)	ρ_v % out	ρ_v % in		Solar (τ_s %)	ρ_s % out	ρ_s % in	Solar (α_s %)				U_g W/m ² -K
79.6	13.4	13.4	35.6	63.8	19.5	18.3	16.7	72.7	0.84	8.9	1.2

Acoustic Performance

Glazing Configuration

4mm Float Glass
20mm Cavity
4mm Float Glass

Sound Reduction Indices

Frequency, Hz / dB						Rw	C	Ctr	OITC	STC
125	250	500	1000	2000	4000	32	-1	-4	27	31
22	21	27	38	46	25					

Disclaimer: The acoustic performance data provided in the reports is based on a test protocol or an estimation and may be used if user actual glazing is identical to input data described herein. Acoustic performance data herein is only applicable for glazing dimensions 1,23 m x 1,48 m (as per testing standard). Estimation of acoustic performance is based on component-similarity assumptions which are derived from measured data and interpolation to expand the database of values from test protocols. Actual performance may vary according to the glazing dimensions, frame system, noise sources and many other parameters. The acoustic performance data herein should not be used as a substitute for tests of actual glazing. For more information please consult Assumptions and Terminology section in Guardian Acoustic Assistant.

Signed for and on behalf of the manufacturer by:

QHSE Group Manager

Paul Jones